EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27166	(magnet or magnetic) same (transfer or move or lift or pick) same (chip or die or dice or dies or IC or (electronic near3 device))	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:50
L2	125995	("324").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/23 09:51
L3	165892	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/23 09:51
L4	348258	("257").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/23 09:51
L5	1643	l1 and (l2 or l3 or l4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:51
L6	1228	l1 and l2	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52
L7	174	l1 and l3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52
L8	344	l1 and l4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52
L9	3640	(magnet or magnetic) same (transfer or move or lift or pick) same (chip or die or dice or dies or IC or (electronic near3 device)) and vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:52
L10	59	l9 and l3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/23 09:53
L11	1	("2008/0265376").URPN.	USPAT	ADJ	ON	2009/06/23 09:56
S1	1	("20070161154").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 13:33

S2	1	("7278203").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 15:13
S3	1	("20010012645").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 15:31
S4	1	("7278203").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 15:31
S5	3470	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 15:36
S6	131	S5 and antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 15:36
S7	51	(("5926463") or ("5472825") or ("5327012") or ("4286177") or ("5201160") or ("5381515") or ("5410173") or ("5514895") or ("5763905") or ("4761346") or ("5196362") or ("5225706") or ("5280176") or ("5309122") or ("5497253") or ("5808832") or ("5851880") or ("5982545") or ("6023840") or ("6028360") or ("6070905") or ("6104450") or ("6106352") or ("6163075") or ("4313152") or ("4342817") or ("4352041") or ("4417946") or ("4438982") or ("4564051") or ("4803597") or ("4842372") or ("4913744") or ("4958327") or	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 15:58

		("4968571") or ("4982385") or ("5181850") or ("5189499") or ("5196725") or ("5198884") or ("5245505") or ("5256051") or ("5262722") or ("5262794") or ("5264319") or ("5367500") or ("5372990") or ("5416971") or ("5456762") or ("5457335")).PN.				
S8	18	("4857893" | "5023624" | "5483678" | "5528222" | "5682143" | "6014113" | "6243040" | "6268796" | "6320543" | "6362525" | "6373447" | "6396078" | "6421013" | "6607135"). PN. OR ("6849936"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:15
S9	13	("5429992" | "5639694" | "5683994").PN. OR ("6180433").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:30
S10	0	S8 and S9	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:32
S11	31	S8 or S9	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:32
S12	8725	mitsuo	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:59
S13	115	mitsuo and usami	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 16:59
S14	78	mitsuo and usami and semiconductor near3 device	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 17:00
S15	9	mitsuo and usami and semiconductor near3 device and akira	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 17:00
S16	8	mitsuo and usami and semiconductor near3 device and akira and sato	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/18 17:00

S17	1	("7036741").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/18 17:02
S18	1	("6588672").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:44
S19	1	("6514796").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:45
S20	1	("6635968").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:45
S21	1	("6589855").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:46
S22	1	("7395012").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:57
S23	1	("6727685").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 09:58
S24	4	("4940935" | "4978913" | "5673799" | "6479777"). PN. OR ("6727685"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/11/19 09:59
S25	1	("7119299").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 10:00
S26	154818	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2008/11/19 10:34
S27	1	("7036741").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:22
S28	479	transport$3 same suppl$4 same (secur$3 near3 pin)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:27

S29	3677	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:27
S30	0	S28 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:27
S31	165173	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:27
S32	0	S28 and S31	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:28
S33	125782	("324").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:28
S34	0	S33 and S28	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:28
S35	3860	transport$3 same (secur$3 near3 pin)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:28
S36	0	S35 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29
S37	8	S35 and S31	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29
S38	3	S35 and S33	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29
S39	11	S37 or S38	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:29
S40	1	("6479777").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:36
S41	37	(ejector near3 pin) and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:39
S42	4	((ejector near3 pin) same transport$4) and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:40

S43	15	("20050093677" | "20050134460" | "5027107" | "5781159" | "5786626" | "6504507" | "6657432" | "6795025" | "6836248" | "6900536" | "6930401").PN. OR ("7036741").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:44
S44	19157	transport$4 same secur$4 same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:48
S45	1	S44 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 14:48
S46	1	("20070161154").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/10 14:59
S47	540	securing pin same alignment	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:04
S48	0	S47 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:04
S49	26	securing pin same alignment same transport $4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:04
S50	1	securing pin same alignment same transport $4 and (circuit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:05
S51	1132	(transport$4 or transfer $4) same (chip or die or device or element) same precision same alignment	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:09
S52	132	(transport$4 or transfer $4) same (chip or die or device or element) same precision same alignment same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:09
S53	682	(suction or vacuum) same (transfer$4 or transport $4) same (secur$3 near4 pin)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:13
S54	627	(suction or vacuum) same (transfer$4 or transport $4) same (secur$3 near4 pin) and (chip or device or die or dice or dies or IC or element or package)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:14

S55	318	(suction or vacuum) same (transfer$4 or transport $4) same (secur$3 near4 pin) and (chip or die or dice or dies or IC or package)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:14
S56	287	(suction or vacuum) same (transfer$4 or transport $4) same (secur$3 near4 pin) and (chip or die or dice or dies or IC)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:15
S57	52	(suction or vacuum) same (transfer$4 or transport $4) same (secur$3 near4 pin) same alignment and (chip or die or dice or dies or IC)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:15
S58	23	("5258648" | "5363277" | "5438223").PN. OR ("5751068").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/10 15:36
S59	2966	holding same transport same pin	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 07:45
S60	165392	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 07:45
S61	20	S59 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 07:45
S62	92	transport same secure near4 (chip or die)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:03
S63	15	S62 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:03
S64	3678	(438/106).CCLS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 08:36
S65	3009	(secure or attach) near3 (device or chip or die) near5 (pin or press or hold)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:39
S66	10	S65 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:39
S67	2078	vacuum same hold same thin same (chip or die or dice or dies or device)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:42

S68	7	S64 and S67	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:42
S69	2828	(vacuum or suction) same hold same thin same (chip or die or dice or dies or device)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:44
S70	7	S69 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:44
S71	201606	pick and place	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:45
S72	63	"pick and place"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:45
S73	0	S72 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:45
S74	165392	("438").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 08:45
S75	0	S74 and S72	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:46
S76	125836	("324").CLAS.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 08:46
S77	4	S76 and S72	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:46
S78	0	(kojima near2 tomoyuki and fukuzawa near2 mikio).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:54
S79	15	(kojima near2 tomoyuki).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:54
S80	0	(kojima near2 tomoyuki and mikio).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S81	0	(kojima near2 tomoyuki and fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S82	0	(kojima and fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55

S83	0	(kojima near4 fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S84	0	(mikio near4 fukuzawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 08:55
S85	55	accurat$4 near5 attach near5 (die or chip)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:31
S86	545	(clamp near6 (die or chip or device or IC)) same ((pick or lift) near5 up)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:44
S87	0	S86 and S64	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:44
S88	4	S86 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 09:44
S89	1	("7278203").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2009/06/11 10:14
S90	116	pick near3 up near6 sides near5 (chip or die or dice or dies or IC)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:17
S91	27	S90 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:17
S92	70	("3597666" | "4451973" | "4529667" | "4637130").PN. OR ("5034350").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:26
S93	195	clamping near3 pin near6 (die or dice or dies or chips or IC$1)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:33
S94	1	clamping near3 pin near6 (die or dice or dies or chips or IC$1) near9 (transport$3 or transfer $3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 10:33
S95	12288	suction same clamp	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 11:51
S96	23260	suction same clamp$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 11:51
S97	154	S96 and S60	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/11 11:52

| S98 | 18 | S96 and S64 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/06/11 11:52 |

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